

# Daniel Dixey

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**Notice period:** 1 Week

**Preferred Analytics Skills:** Machine Learning, Data Mining, Neural Networking, Apache Spark, MongoDB, Python, Theano and Keras

## ***SUMMARY OF QUALIFICATIONS & EXPERIENCE***

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- A proactive, curious and enthusiastic individual looking to utilise my skill set in a competitive and challenging environment in a Data focused role;
- Currently enrolled at City University studying towards a MSc in Data Science with the intention of progressing into a career as Data Scientist/Data Engineer.
- I have a proven record of success when working individually as well as part of a team, delivering simultaneous projects and objects within tight deadlines;
- Successful in building strong, honest and on-going relationships with clients and colleagues at all levels of organisations;

## ***EMPLOYMENT HISTORY***

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### **Professional Experience**

**June 2015 to Present**

**Data Scientist, Datagenic Group**

- Primary focus since joining has been independently developing a News Analytics System in its entirety. This predominately includes the use of Sentiment Analysis, Named Entity Recognition, Web Scraping and Topic Classification.
- Machine Learning techniques are used throughout; the most notable accomplishment is the training of a Gated Recurrent Neural Network (RNN) for sentiment scoring. This was trained using AWS EC2 instances for efficiency and also extensive hyper-parameter optimisation.
- Work involves the use of MongoDB, Spark, Python, Keras, Gensim and various other Natural Language Processing (NLP) modules in Python;
- The product and output of work will lead to improving the value of the DataGenic product offering and also help to define the product development strategy going forward;
- Algorithms will be deployed before the end of 2016 on Amazon AWS, utilising Lambda, SQS and DynamoDB services.

**July 2013 to June 2015**

**Reporting Specialist, GlaxoSmithKline**

- Creation of analytics using Tableau and Workday (reporting capability, data mining and identifying trends beyond remit) which support and improve HR decision-making at all-levels of management;
- Build HR's analytical capabilities through on-going support and training via TTT sessions;
- Provide an initial point of contact on Service Performance measurements for the global roll out of new HR cloud HR management solution - Workday;
- Working with in-market teams to resolve reporting issues and to build capability to promote the use of HR information across HR;
- Providing dedicated support to key cyclical events, including Merit, Bonus and Performance Reviews - Workday;
- Developed and manage two Global Qlikview dashboards – both provide an overview of metrics for a HR Case Management Tool and also an internal Knowledge Management website.

**January 2008 to Present**

**Lance Corporal, Army Reservist (London Regiment)**

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- Receiving formal training in leadership, management and negotiation skills, with a particular focus on stressful situations;
- Volunteered for two months for the London 2012 Olympic games as part of the venue security force as a team leader managing a team of eight people as well as mentoring G4S staff;
- Responsible for managing and implementing physical training classes within the regiment to varied abilities, ensuring that all exercise conducted is in accordance with Health and Safety regulations;
- Responsible for the managing, developing and implementation of group training of practical and theory lessons after gaining first management role;
- Often asked to step in during management absence, I am both confident and enjoy the extra responsibility;
- Notable achievements include Top Student on two army career courses and also a successful delivery of a physical assessment to 160 troops whilst on an annual camp.

## September 2006 to July 2013

## Leadworker, JD Leadwork

- A role as a leadworker I was responsible for the production of weathering components for domestic and commercial buildings;
- Responsible for the maintenance of the SAGE software for payroll and accounting of the business.

## Work Experience

### June 2012

### Sherborne Boys School, Operational Research Society

- Personally selected and sponsored as a representative of the University of Greenwich and the Operational Research Society to Research and produced a presentation on 'How Mathematics can be Applied to the Modelling of Transmittable Diseases in Society';

### August 2006 to March 2012

### Retail Experience

## EDUCATION

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### September 2014– Present

### City University London

MSc Data Science

Part-Time – Commitment equates to one-day per week

#### First Year Modules (Merit):

- Big Data, Introduction to Data Science, Neural Computing and Visual Analytics
  - Technical Awareness of; Mondrian, R, Apache Spark, Matlab and Virtualbox
- Throughout the progression of this Graduate degree I will update GitHub with my work and developments.

**GitHub:** <https://github.com/dandxy89/CityUniversity2014>

### September 2010– June 2013

### University of Greenwich

BSc (Hons) Mathematics

Grade: First Class Honours (Overall: 84%)

Final Year Project:

*"An investigation into the flight of a golf ball using quantitative methods and to develop a Prototype for understanding the risk involved in shot selection for aiding a golf tutor."*

## ADDITIONAL PERSONAL SKILLS AND QUALIFICATIONS

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### Technical Skills:

Competent with the use of the Programming Languages/ Tools:

Manipulation of Data:

Excel, Python, VBA, Spark, SQL and R.

Application of Statistical Methods:

R and Python

Business Intelligence Software:

Qlikview and Tableau

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## **Army Qualifications:**

Qualified and Trained as a Mortar MFC and CPO, Physical Training Instructor, Map Reading Instructor and I've also completed the Army Teaching Qualification (DITS Course).

## **Awards/Other Qualifications:**

Notable Awards: Duke of Edinburgh's Bronze award, Full UK Driving License (incl. D1) and a (City & Guilds) Award in Door Supervision.